

ABSTRACT

An object of the present invention is to provide a novel fluorescent protein derived from *favia favius*. The present invention provides a fluorescent protein derived from *favia favius* having the following properties:

- (1) an excitation maximum wavelength is 507 nm;
- (2) a fluorescence maximum wavelength is 517 nm;
- (3) a molar absorption coefficient at 482 nm is 80,000;
- (4) a quantum yield is 0.68; and
- (5) pH sensitivity of the fluorescence maximum is stable at pH 5 to pH 11.